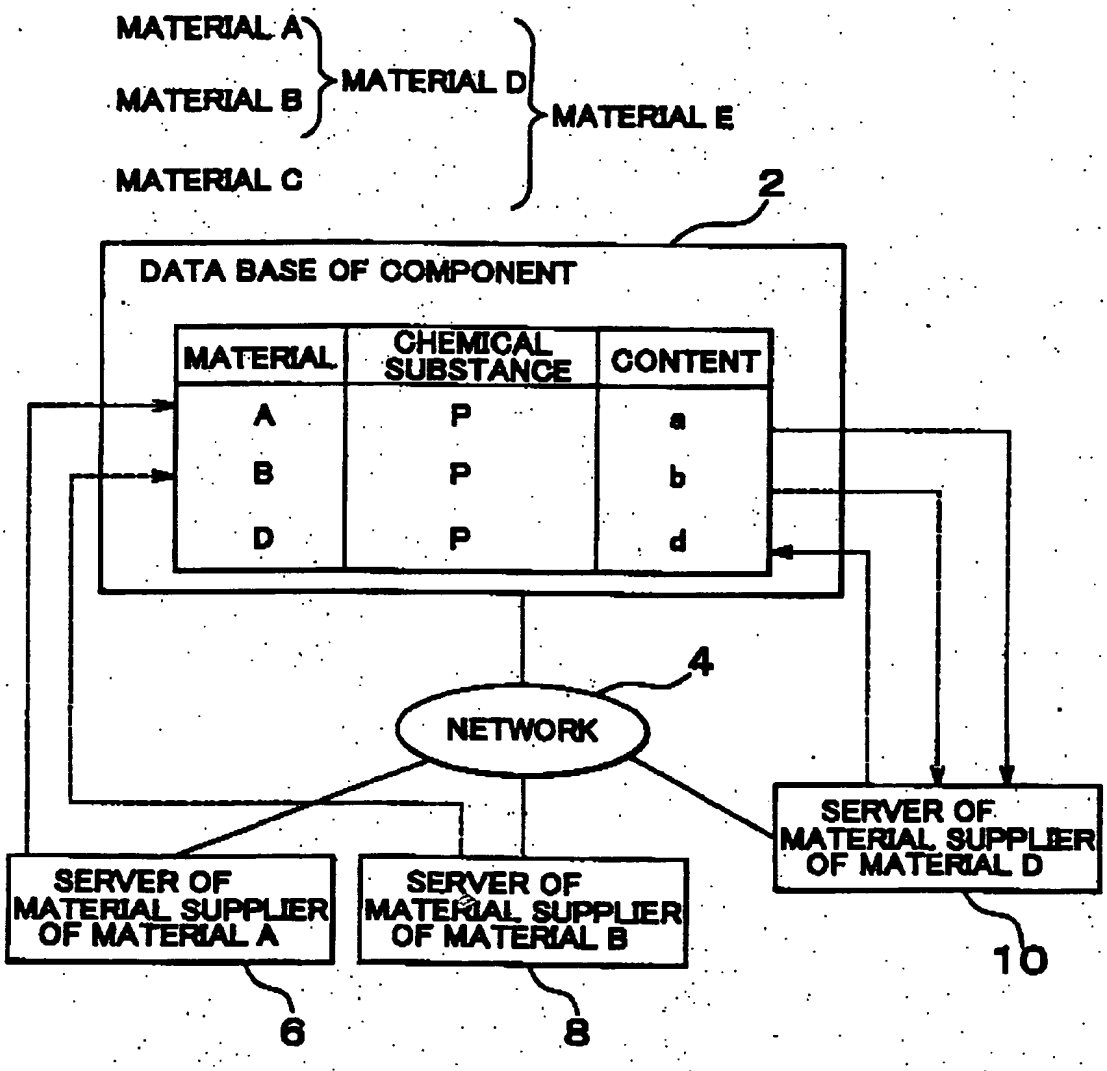
FIG. 1


MATERIAL A
MATERIAL B
MATERIAL C
MATERIAL D
MATERIAL E
2
DATA BASE OF COMPONENT
MATERIAL
CHEMICAL SUBSTANCE
CONTENT
A
B
D
P
P
P
a
b
d
4
NETWORK
SERVER OF MATERIAL SUPPLIER OF MATERIAL A
SERVER OF MATERIAL SUPPLIER OF MATERIAL B
SERVER OF MATERIAL SUPPLIER OF MATERIAL D
6
8
10

JP2003-256668

FIG. 2

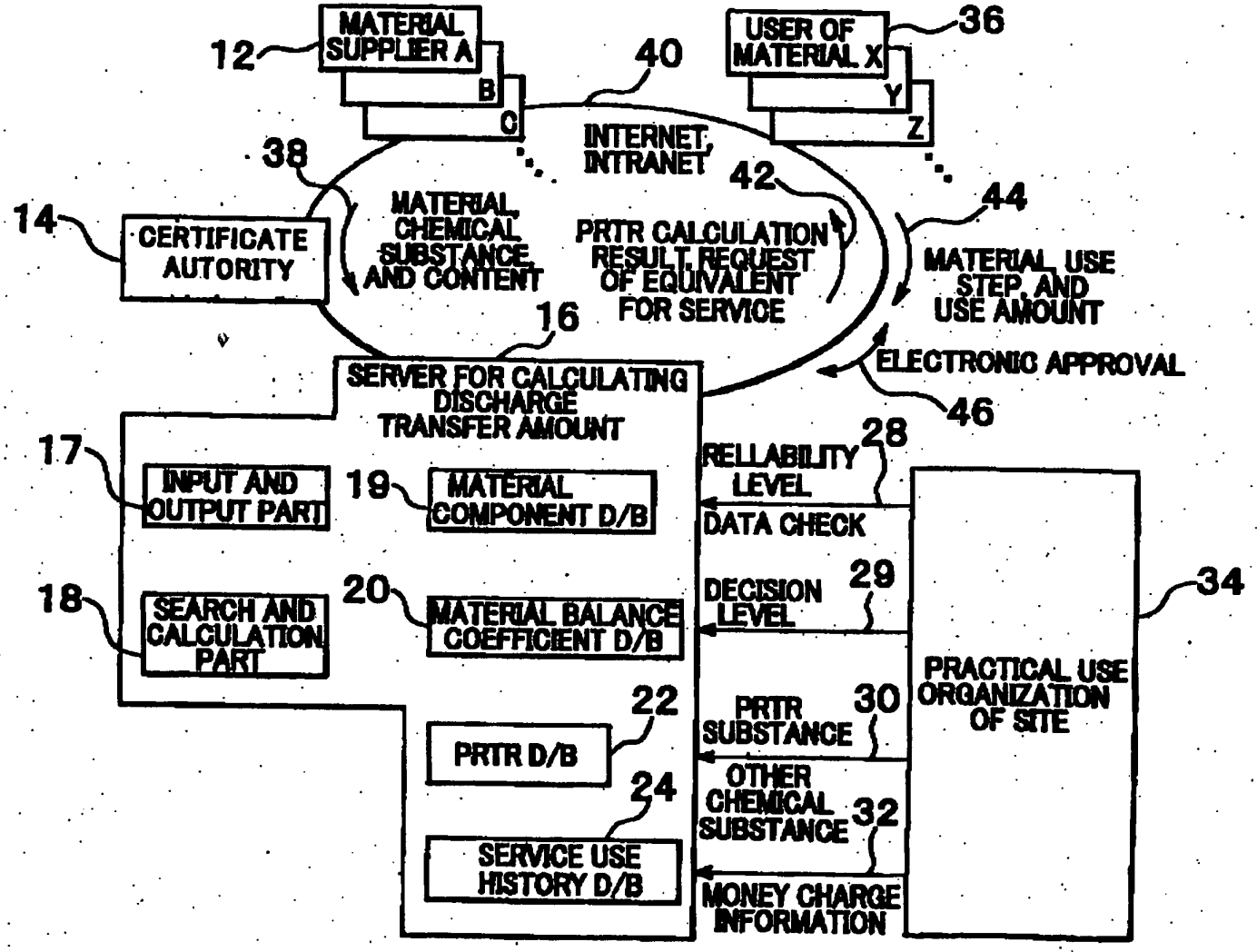


FIG. 3

MATERIAL COMPONENT D/B

19

MATERIAL	CHEMICAL SUBSTANCE	CONTENT	RELIABILITY
A	P	ap	1
	Q	aq	
B	P	bp	2
	Q	bq	

FIG. 4

MATERIAL BALANCE COEFFICIENT D/B

20

MATERIAL CATE -CORY	NAME OF MATE -RIAL	NAME OF SUBS -TANCE	STEP	MAJOR CLASSIFICATION	COAT -ING	BODY COATING				
				INTERMEDIARY CLASSIFICATION		INTERMEDIATE COATING	OVER COATING			
				MINOR CLASSIFICATION			1			2
			PROCES -SING FACILITY	MAJOR CLASSIFICATION			REMOVAL A		REMO -VAL B	
				MINOR CLASSIFICATION			EFFICIE -NCY M	EFFICIE -NCY N		
COATING	A	P						P1.2		
		Q					Q1.1	Q1.2	Q1.3	
	B	P						P2.2		
		R								

Q1.2

TO AIR	TO WATER BASIN	TO RECLAMATION	TO PRODUCT	DECISION ORGANIZATION
q1	q2	q3	q4	K1

FIG. 5

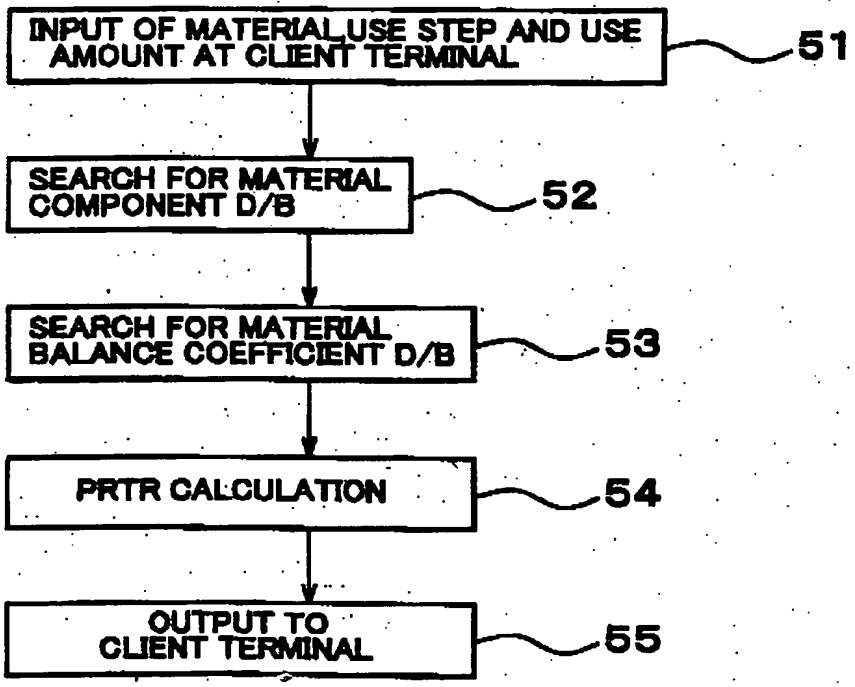

INPUT OF MATERIAL USE STEP AND USE AMOUNT AT CLIENT TERMINAL
51
SEARCH FOR MATERIAL COMPONENT D/B
52
SEARCH FOR MATERIAL BALANCE COEFFICIENT D/B
53
PRTR CALCULATION
54
OUTPUT TO CLIENT TERMINAL
55

FIG. 6

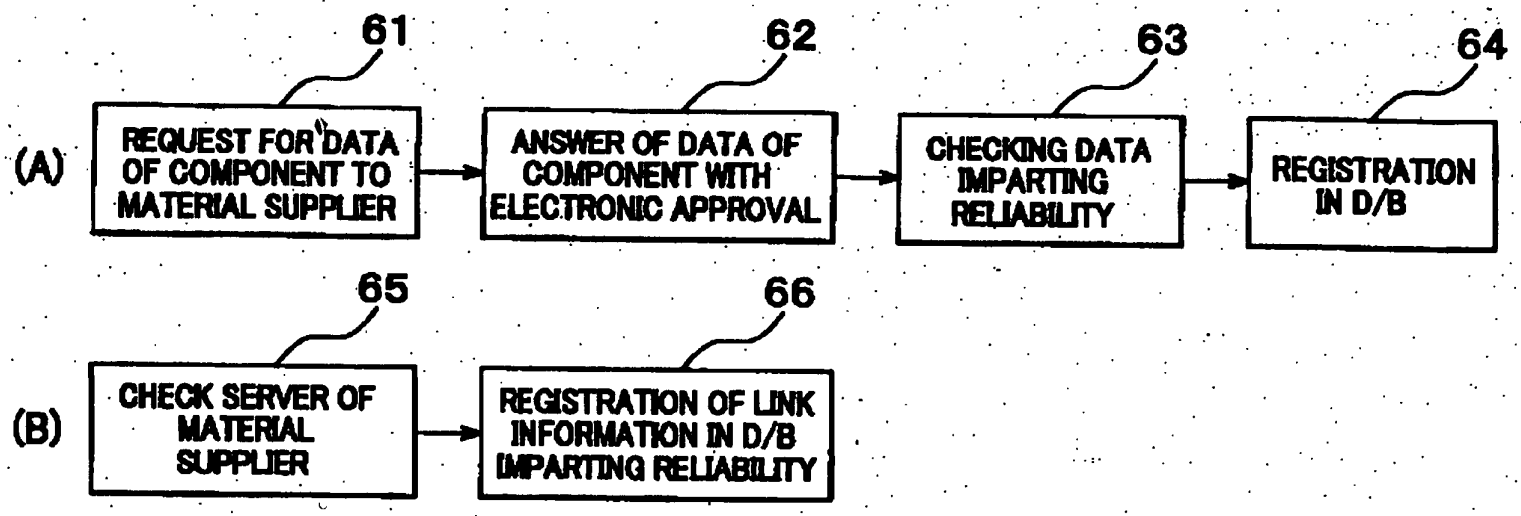

61
62
63
64
(A)
REQUEST FOR DATA OF COMPONENT TO MATERIAL SUPPLIER
ANSWER OF DATA OF COMPONENT WITH ELECTRONIC APPROVAL
CHECKING DATA IMPARTING RELIABILITY
REGISTRATION IN D/B
65
66
(B)
CHECK SERVER OF MATERIAL SUPPLIER
REGISTRATION OF LINK INFORMATION IN D/B IMPARTING RELIABILITY

FIG. 7

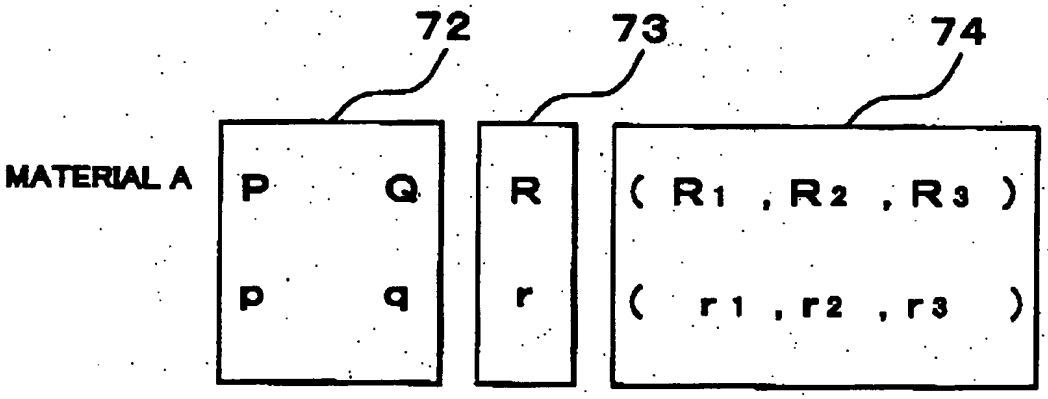


FIG. 8

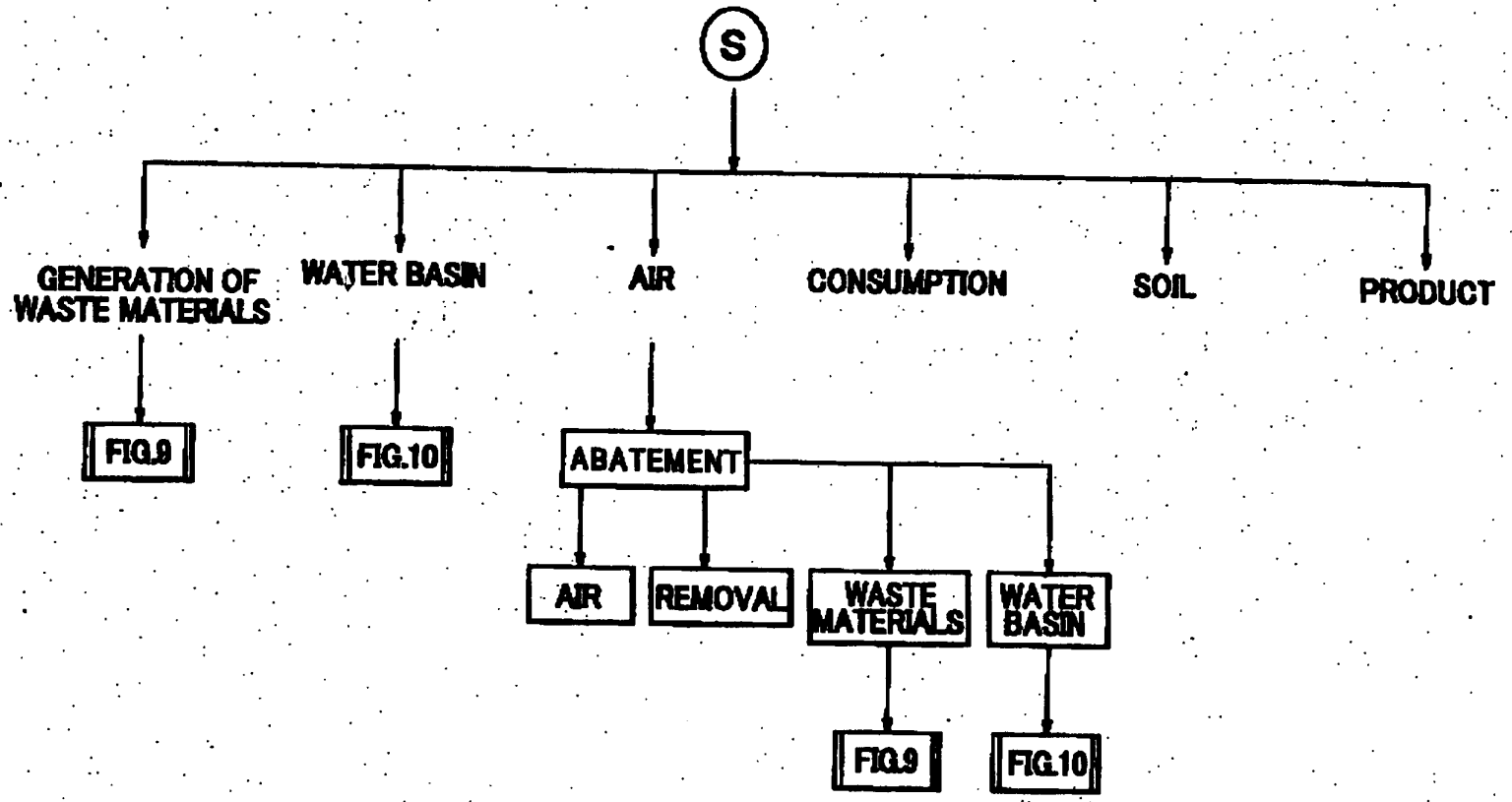

S
GENERATION OF WASTE MATERIALS
WATER BASIN
AIR
CONSUMPTION
SOIL
PRODUCT
FIG.9
FIG.10
ABATEMENT
AIR
REMOVAL
WASTE MATERIALS
WATER BASIN
FIG.9
FIG.10

FIG. 9

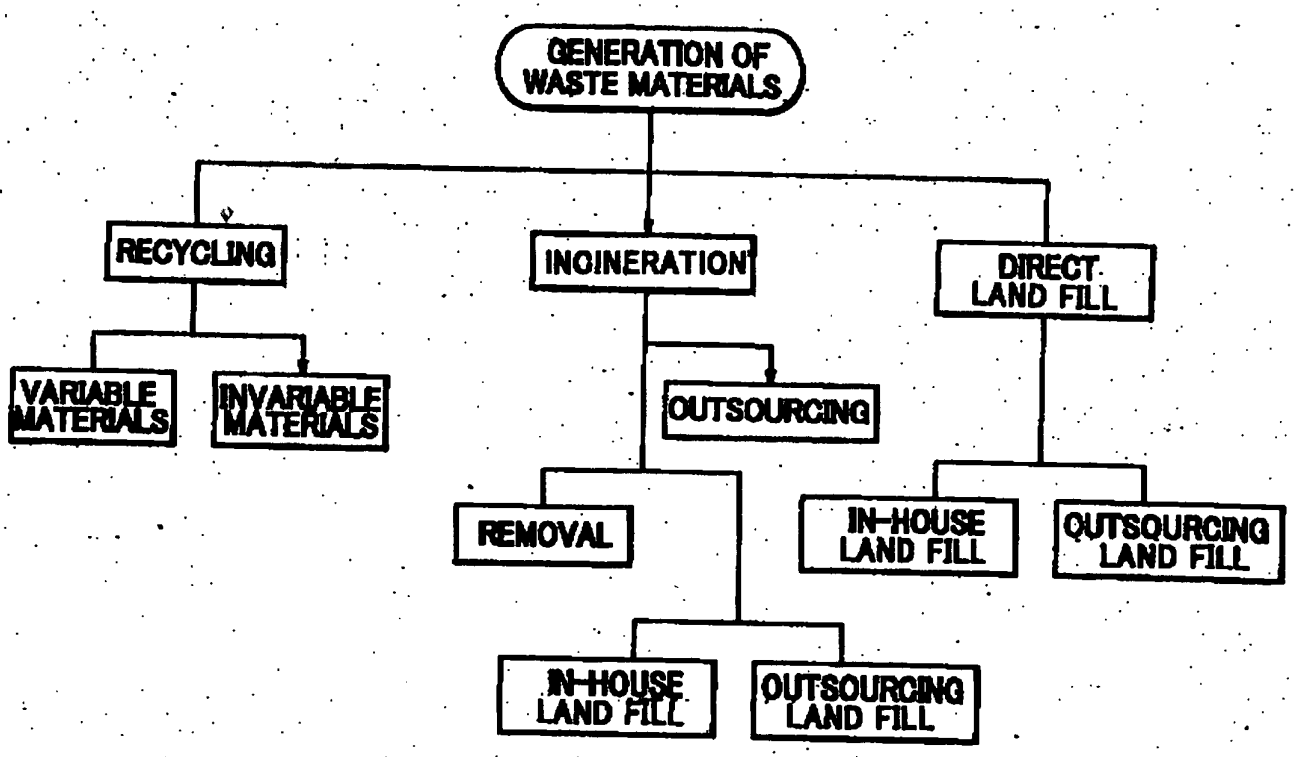
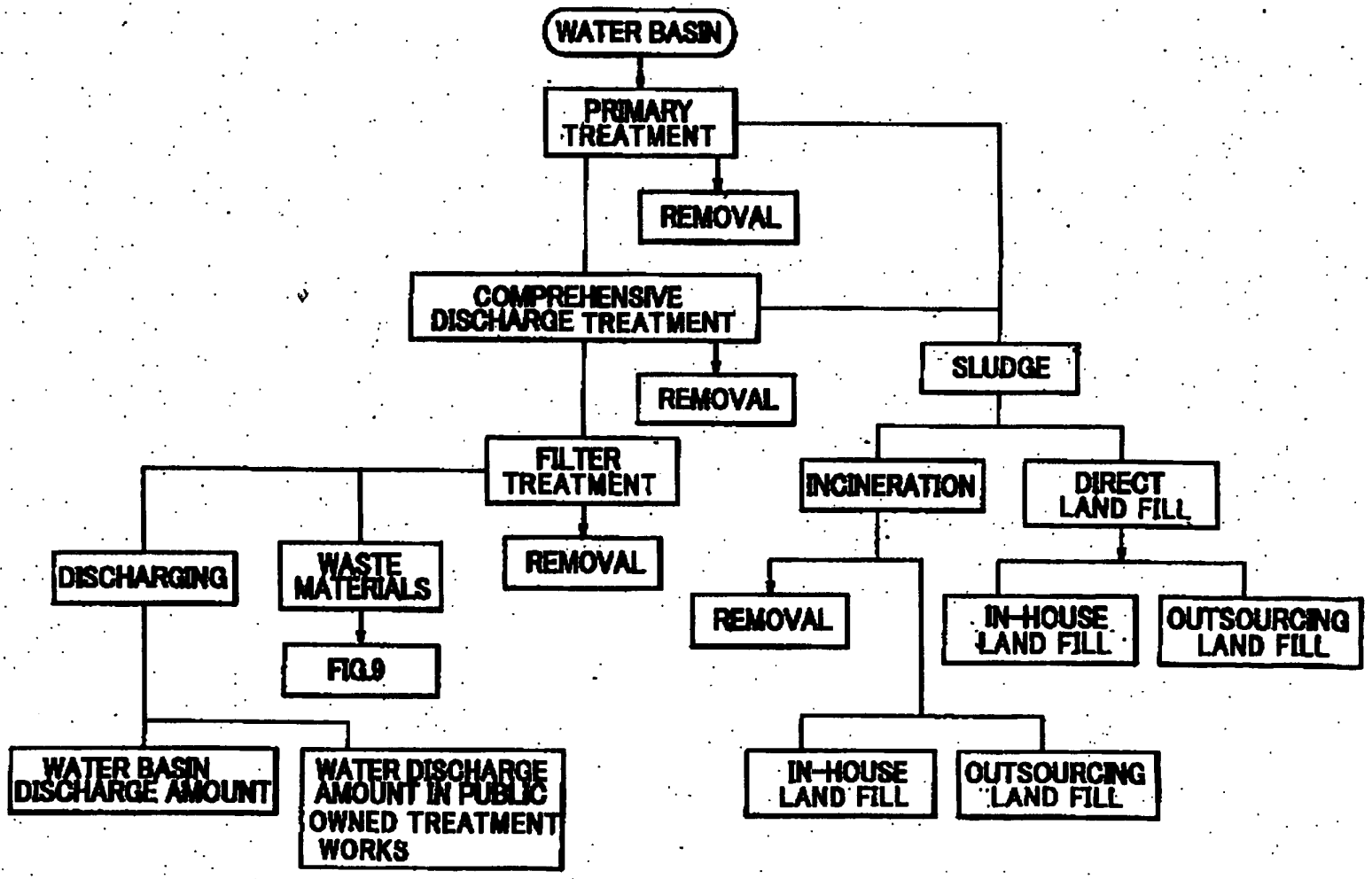

GENERATION OF WASTE MATERIALS
RECYCLING
INCINERATION
DIRECT LAND FILL
VARIABLE MATERIALS
INVARIABLE MATERIALS
OUTSOURCING
REMOVAL
IN-HOUSE LAND FILL
OUTSOURCING LAND FILL
IN-HOUSE LAND FILL
OUTSOURCING LAND FILL

FIG. 10


WATER BASIN
PRIMARY TREATMENT
REMOVAL
COMPREHENSIVE DISCHARGE TREATMENT
REMOVAL
FILTER TREATMENT
REMOVAL
DISCHARGING
WASTE MATERIALS
FIG.9
WATER BASIN DISCHARGE AMOUNT
WATER DISCHARGE AMOUNT IN PUBLIC OWNED TREATMENT WORKS
SLUDGE
INCINERATION
DIRECT LAND FILL
REMOVAL
IN-HOUSE LAND FILL
OUTSOURCING LAND FILL
IN-HOUSE LAND FILL
OUTSOURCING LAND FILL